Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/12/2019 01:21 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124728	-1	2.86	124823	2.85
Blue	F	SSC	125000	124826	-1	1.60	125659	1.61
Blue	E	FITC	16433	16055	-3	2.65	349	19.56
Blue	D	PE	27595	27159	-2	1.83	592	14.53
Blue	B	PerCP-Cy5-5	43183	43278	0	3.53	1161	19.93
Blue	A	PE-Cy7	31943	32560	1	5.96	623	40.69
Red	C	APC	42819	42088	-2	2.37	1490	11.68
Red	A	APC-Cy7	31261	30318	-4	2.27	804	11.59
Violet	B	V450	6527	6294	-4	4.32	352	13.21
Violet	A	V500	24533	23538	-5	4.09	548	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17761	16.34	614	14	N/A	N/A	Pass
Blue	F	SSC	56804	1.11	556	8	N/A	N/A	Pass
Blue	E	FITC	63	62.06	542	3	0.0210	107	Pass
Blue	D	PE	123	50.02	539	5	0.1742	299	Pass
Blue	B	PerCP-Cy5-5	212	49.77	653	11	0.0095	80	Pass
Blue	A	PE-Cy7	117	99.47	703	14	0.0109	14	Pass
Red	C	APC	354	24.79	578	-5	0.0270	207	Pass
Red	A	APC-Cy7	177	28.66	558	-5	0.0061	1355	Pass
Violet	B	V450	54	57.66	448	-7	0.0475	1734	Pass
Violet	A	V500	83	32.54	459	-8	0.0211	508	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-32.20	1.01
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.25	13.60 - 20.40	N/A	N/A	29.93	30.23	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10615

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments